



Figure 4-figure supplement 1. Loss of gamma-secretase function does not result in neurodegenerative morphologies. (A) Quantification of aberrant structures (sprouts/branches) on ALM neuronal soma of wild type, *sel-12(ty11)* and *sel-12(ty11)* animals expressing wild type or a protease dead SEL-12 at day 1 of adulthood. Quantification of wave-like processes (B), lesions (C) and breaks (D) in ALM and PLM neuronal processes of wild type, *sel-12(ty11)* and *sel-12(ty11)* animals expressing wild type or a protease dead SEL-12 at day 1 of adulthood. Neuronal morphology analysis is done using transgenic animals expressing *mec-4p::GFP (zdlIs5)*. n = number of animals analyzed per genotype. Data are displayed as mean \pm SEM, and all comparisons have been made to wild type animals unless otherwise indicated. ***P<0.0001 (One way ANOVA with Tukey test).